SPECIFICATION AMENDMENTS

Kindly amend the original filed specification as follows.

Please replace the paragraph/section beginning at page 5, line 6, with the following rewritten paragraph:

Fig. 3 is a circuit diagram of the linear sensor circuit of the hardness tester according to the above preferred embodiment of the present invention.

Please replace the paragraph/section beginning at page 7, line 20, with the following rewritten paragraph:

As shown in Fig. 2, the transmission shaft 41 has a driven end 411 universally contacting with the driving axle 20 and a driving end ~~411~~ 412 universally contacting with the penetrating pin 30 wherein the transmission shaft 41 is adapted for transmitting the penetrating force from the driving shaft 20 to the penetrating pin 30. Accordingly, when the penetrating force is applied on the driving axle 20 to drive the driving axle to slidably move forward, the penetrating pin 30 is pushed to slide the pin head 31 thereof out of the opening edge 151 of the guiding channel 12 through the transmission shaft 41. It is worth to mention that when the driving wheel 14 applies the penetrating force on the driving axle 20, an unwanted lateral movement of the driving axle 20 may be created. As a result, the actual linear displacement of the penetrating pin 30 cannot be detected. However, when the penetrating force is transmitted to the penetrating pin 30 through the transmission shaft 41, the transmission shaft 41 is adapted to minimize the unwanted lateral movement of the driving axle 20 to the penetrating pin 30, so as to enhance the detection of the linear displacement of the penetrating pin 30 with respect to the test object 1.

Please replace the paragraph/section beginning at page 8, line 3, with the following rewritten paragraph:

Accordingly, when the penetrating force is applied on the driving axle 20, the transmission shaft 41 transmits the penetrating force as a downward pushing force to

slidably push the pin head 31 of the penetrating pin 30 out of the opening edge 151 of the guiding channel 12, such that even if the driving axle 20 is not precisely align with the penetrating pin 30 in a coaxial manner, the transmission shaft 41 is adapted to adjust the penetrating force to push the penetrating pin 30 to coaxially slide along the guiding channel 12 for penetrating on the testing surface of the tested object 1 so as to enhance the accuracy of the test result.